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ABSTRACT

Humankind had its beginnings in Africa. Imhotep, the first scientist, was a man of color, an Egyptian. Africans made great strides in science and medicine prior to slavery. In the United States, blacks have contributed much to the advancement of science and invention; however, history for the most part has not given them credit for these contributions. Since World War II, opportunity and recognition have grown. This guide offers a guide to the literature in the collections of the Library of Congress and includes references to the accomplishments of blacks in the sciences, invention, architecture, engineering, medicine, photography, the military, and related fields. Information and/or citations are provided under the following headings: (1) "Subject Headings"; (2) "Introductory Material"; (3) "Basic Texts"; (4) "Collective Biographies"; (5) "Individual Biographies" and "Juvenile Literature"; (6) "State-of-the-Art Reviews and Conference Proceedings"; (7) "Abstracting and Indexing Services"; (8) "Journals"; (9) "Representative Journal Articles"; (10) "Selected Materials"; and (11) "Scientific Organizations." (CW)

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## BLACKS IN SCIENCE AND RELATED DISCIPLINES

Compiled by Vivian O. Sammons and Denise P. Dempsey

TB 89-9 December 1989

SCOPE: Humankind had its beginnings in Africa. Imhotep, the first scientist (3000 BC), was a man of color, an Egyptian. The Black man made great strides in science and medicine in Africa prior to slavery. In this country Blacks have contributed much to the advancement of science and invention; however, history for the most part has not given them credit for these contributions. Since World War II opportunity and recognition have grown. This literature guide, an update of TB 85-5, includes the accomplishments of Blacks in science, invention, architecture, engineering, medicine, photography, the military, and related fields. It is not all-inclusive, although effort has been made to list some basic books in most areas. It is of necessity biographical in content. Not meant to be a comprehensive bibliography, it is designed--as the name of the series implies--to put the reader "on target."

SUBJECT HEADINGS used by the Library of Congress, under which books can be located in most card, book and online catalogs, include the following:

AFRO-AMERICAN AGRICULTURISTS
AFRO-AMERICAN AIR PILOTS
AFRO-AMERICAN ARCHITECTS
AFRO-AMERICAN ASTRONAUTS
AFRO-AMERICAN DENTISTS
AFRO-AMERICAN ENGINEERS
AFRO-AMERICAN INVENTORS
AFRO-AMERICAN MATHEMATICIANS
AFRO-AMERICAN MIDWIVES
AFRO-AMERICAN NURSES

SE0515 S86

AFRO-AMERICAN PHARMACISTS
AFRO-AMERICAN PHOTOGRAPHERS
AFRO-AMERICAN PHYSICIANS
AFRO-AMERICAN PSYCHOLOGISTS
AFRO-AMERICAN SCIENTISTS
AFRO-AMERICAN SOLDIERS
AFRO-AMERICAN SURGEONS
AFRO-AMERICAN WOMEN CHEMISTS
AFRO-AMERICANS IN AERONAUTICS
AFRO-AMERICANS IN DENTISTRY
AFRO-AMERICANS IN MEDICINE
AFRO-AMERICANS IN VETERINARY MEDICINE
MINORITIES IN ENGINEERING
MINORITIES IN MEDICINE
MINORITIES IN NURSING
MINORITIES IN SCIENCE
NEGRO PHYSICIANS (Earlier Term)
NEGRO SCIENTISTS (Earlier Term)
NEGROES--BIOGRAPHY (Earlier Term)
NEGROES IN MEDICINE (Earlier Term)

Please note that prior to 1976 the Library of Congress used the subject heading "Negroes" to refer to all persons of African descent. In 1976 the term "Negroes" was discontinued and the subject headings "Afro-Americans" and "Blacks" were added to refer to persons of African descent within and without the United States respectively.

**INTRODUCTORY MATERIAL** appears in

Blacks in science: ancient and modern. Edited by Ivan Van Sertima. New Brunswick, N.J., Transaction Books, c1983. 302 p. (Journal of African civilizations, v. 5, no. 1/2)
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See particularly p. 1053-1076.
E185.N385 1983 SSRR & MRR

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**ABSTRACTING AND INDEXING SERVICES** that index relevant journal articles and other literature are listed below. Some suggested terms are given as aids in searching.

General Science Index (1978-) Z7401.G46*
See: Blacks

Index to Black Periodicals (1941-) AI3.04
See: Subject headings of interest, e.g.,
Architects, Astronauts, Biologists, Chemical Engineers, Chemists, Dentists, Engineers, Inventors, Mathematicians, Medical Personnel, Midwives, Military Officers, Nurses, Pharmacists, Physicians, Pilots, Psychiatrists, Psychologists, Scientists, Soldiers, Surgeons, Women Engineers, Women in Science, Women Scientists.

Magazine Index available in several formats in LC
See: Afro-American Air Pilots
Afro-American Astronauts
Afro-American Dentists
Afro-American Engineers
Afro-American Generals
Afro-American Inventors

Note: Consult reference librarian for location of abstracting and indexing services in the Science Reading Room

Afro-American Nurses
Afro-American Photographers
Afro-American Physicians
Afro-American Psychologists
Afro-American Sailors
Afro-American Soldiers
Afro-American Troops
Afro-American Veterans
Afro-Americans in Aeronautics
Afro-Americans in Medicine
Afro-Americans in Veterinary Medicine

Readers' Guide to Periodical Literature (1900-) AI3.R45
See: Blacks
Women Mathematicians
Women Scientists

**JOURNALS** that often contain articles on Black scientists include:

Black Collegian LC2781.B45
Black Enterprise E185.8.B5
Black Scholar E185.5.B575
Black World E185.5.N3815 (formerly Negro Digest)
Crisis E185.5.C9
Ebony AP2.E165
Journal of Black Studies E185.5.J8
Journal of Negro Education LC2701.J6
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Seeks to "identify those undergraduate institutions that are most productive in the development of Black Ph.D. scientists and to explore the impact of major civil rights legislation on the types of undergraduate institutions producing Black scientific talent."

**SCIENTIFIC ORGANIZATIONS** and other sources of information include:

African-American Resource Center
Howard University
P.O. Box 746
Washington, D.C. 20059
Telephone: (202) 636-7242

Association for the Study of Afro-American Life and History, Inc.
1407 14th Street, N.W.
Washington, D.C. 20005
Telephone: (202) 667-2822

Black Resources Information Coordinating Services, Inc.
614 Howard Avenue
Tallahassee, Florida 32304
Telephone: (904) 576-7522

Moorland-Spingarn Research Center
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500 Howard Place, N.W.
Washington, D.C. 20059
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1012 10th Street, N.W.
Washington, D.C. 20001
Telephone: (202) 347-1895

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Southern Building, Suite 701
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